

**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Pemiscot	155	0I0801	7/2000	Box culvert modification 1.2 miles west of Rte. U over Drainage Ditch No. 1. Involves construction of stilling basin on existing box culvert No. A-2473.  Reason(s) This project was funded by the U.S. Army Corps of Engineers. With agreement from the Corps, the scope of this project was enlarged to allow for placement of additional guardrail. Also, costs associated with "de-watering" were higher than expected.	\$248,000.00	\$508,997.10	105.24%
Stoddard	25	0P0756	4/1999	Coldmill, widen, resurface, construct paved shoulders and rehabilitate bridges from Rte. OO to south of Rte. E in Bloomfield. Project involves bridges L-19, L-20, L-21, L-22, L-39 and F-1028R.  Reason(s) Unit bid prices for asphaltic concrete were lower than historic prices for similar type work.	\$4,293,000.00	\$3,835,653.06	-10.65%
Cape Girardeau	74	0P0806	2/2000	Tree planting from I-55 to Kingshighway in Cape Girardeau. Enhancement funds under Federal Project No. STP-1507(001).  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$61,000.00	\$56,669.05	-7.10%

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Dunklin	164	0S0620	2/2000	Replace bridge over Kinnamore Drainage Ditch 0.9 mile east of Rte. V at Cardwell. Project involves bridge F-904.	\$785,000.00	\$803,285.52	2.33%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Dunklin	25	0S0784	1/2000	Resurface 0.4 mile and resurface 0.3 mile on 2 disconnected sections on Business Rte. 25 from Rte. J to Rte. 62. Part funded by City of Malden STP funds.	\$379,000.00	\$576,244.14	52.04%
			Reason(s)	High transportation costs for hauling of asphalt led to larger than expected unit bid prices. Also, this project was located in the center of the town of Malden. This location hindered productivity of the asphalt laydown operations.			
Cape Girardeau	177	0S0786	5/2000	Intersection geometric improvements on disconnected sections from Rte. W east to Rte. J. Economic development for Procter and Gamble.	\$710,000.00	\$1,178,786.08	66.03%
			Reason(s)	Grading activities associated with this project were significantly higher than expected. Difficult placement locations for the grading led to the higher cost.			

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Cape Girardeau	74	0U0321B	4/1998	Substructure and superstructure for east approach spans of Mississippi River Bridge at Cape Girardeau. Project relates to 0U0321, 0U0321C, 0U0321D and 0U0321E.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$29,881,000.00	\$28,886,080.32	-3.33%
St Francois	32	0U0757	7/1999	Widen Karsch Blvd. to 5 lanes, resurface and add traffic signals at Rte. W interchange from 0.5 mile east of Rte. D to Rte. OO and W.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$2,849,000.00	\$3,127,846.78	9.79%
Atchison	29	1I0732	3/1999	Resurface 8.1 miles from Rte. A to Iowa State Line. The project involves 2-24' pavements. Let in combination with 1I0732B.  Reason(s) Job 1I0732B was split from this job, resulting in a decrease of \$1.6 million. Design/award items resulted in an increase of \$1.2 million. Actual PE+CE was \$0.5 million less than programmed, which is typical for resurfacing projects.	\$8,329,000.00	\$7,386,650.41	-11.31%

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Atchison	29	1I0732B	3/1999	Rehabilitate bridges over Nishnabotna River and High Creek from Rte. A to Iowa State Line (disconnected sections). The project involves bridges A23691, A23692, A23741 and A23742. Let in combination with 1I0732.  Reason(s) This project was split from 1I0732 at the last minute due to metric/English unit problems. Design/award items account for \$0.7 million of the project cost decrease. Construction items and PE+CE account for the remaining cost decrease.	\$1,776,000.00	\$950,508.44	-46.48%
Andrew	71	1P0627C	3/1999	Grading for 2 additional lanes of pavement to provide a 4 lane highway from Nodaway County to north of Rte. 48. Project is related to 1P0627.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$6,757,000.00	\$6,923,913.79	2.47%
Andrew	71	1P0627D	12/1997	Grading for additional 2 lanes of pavement to provide a 4 lane highway from north of Rte. 48 to north of Rte. 59 at Savannah. Project is related to 1P0627B.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$5,961,000.00	\$6,388,309.29	7.17%

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Nodaway	71	1P0641C	6/2000	Demolition of Parcel 113 at intersection of Rte. 71 and Rte. A at Pumpkin Center. Project will improve sight distance for at-grade intersection. Relates to 1P0641B.	\$39,000.00	\$35,852.50	-8.07%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Andrew	71	1P0719B	12/1998	Grading and bridges to add lanes for dual divided highway from north of Rte. 59 to north of I-29. Project relates to 1P0719.	\$4,724,000.00	\$3,163,664.51	-33.03%
			Reason(s)	Lower than average bid items account for \$1.4 million in cost savings. Construction items account for \$0.1 million in cost savings.			
Caldwell	36	1P0764	1/2000	Resurface eastbound lanes and rehabilitate bridges two bridges from 4.2 miles west of Cameron to 2.0 miles west of Hamilton. Project involves bridges A-1013 and A-1014.	\$4,364,000.00	\$3,915,992.51	-10.27%
			Reason(s)	Lower than average bid items account for \$0.1 million of the cost decrease. PE+CE account for \$0.4 million of the cost decrease, which is typical for resurfacing jobs.			

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Caldwell	36	1S0527	4/1999	Bridge replacement over Tom Creek 0.6 mile west of Hamilton on Business Loop 36. The project involves bridge G-402.	\$410,000.00	\$502,125.08	22.47%
			Reason(s)	Higher than average bid items account for \$37,000 of the cost increase. Construction/utility items account for \$65,000 of the cost increase.			
Saline	70	2I0630	3/1999	Coldmill existing asphalt surface and resurface westbound lane using superpave from Lafayette County to Blackwater River. TEA 21 High Priority Project.	\$7,659,000.00	\$4,725,915.01	-38.30%
			Reason(s)	Significant change in scope. Removed bridges from this project to 2I0631. This change reduced the construction cost and incidentals.			
Saline	70	2I0678	8/2000	Rehabilitate bridges A-02033 (eastbound) and A-02034 (westbound) at Rte. 65 interchange. Work includes deck repair, remove low slump overlay and replace with low slump or latex overlay.	\$514,000.00	\$559,441.53	8.84%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			

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Carroll	10	2P0392	4/2000	Grading, paving and replace bridge over Moss Creek 1.9 miles west of Rte. D. The project involves bridge G-36R.  Reason(s) Originally scoped as a box culvert but as design progressed, it was determined the drainage area for the proposed structure was greater than shown on old plans and was large enough to demand that a bridge be constructed in lieu of a box culvert.	\$744,000.00	\$945,529.09	27.09%
Putnam	5	2P0397	5/2000	Grading, paving and replace bridge over Blackbird Creek 4.7 miles south of Iowa State line. Project involves bridge K-711.  Reason(s) Originally programmed as a bridge replacement and changed to a box culvert. Leaving the existing bridge deck in place significantly reduced the grading and paving costs.	\$694,000.00	\$486,965.85	-29.83%
Randolph	63	2P0489C	3/1999	Grading and bridge 3.5 miles south of Moberly. TEA 21 High Priority Project. Project involves new Gateway Western Railroad bridge .  Reason(s) The estimated amount was determined prior to the selection of a structure type and size and prior to the development and completion of final plans and estimate.	\$3,311,000.00	\$4,234,426.41	27.89%

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Livingston	65	2P0670	8/1999	Add signals at the intersection of Rte. 65 and Rte. 190 in Chillicothe. The Traffic Division will provide \$50,000 for this project.	\$105,000.00	\$102,855.96	-2.04%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Carroll	65	2S0393	4/2000	Grading, resurfacing and replacement of bridges from south of the Santa Fe Railroad to north of Rte. 10 in Carrollton on Bus. Rte. 65. Includes resurfacing pavement and removal of bridges K-98, F-404 and H-941R1.	\$2,929,000.00	\$1,826,075.77	-37.66%
			Reason(s)	Original estimated amount was determined at a very preliminary stage of the project. The project estimate decreased as design progressed and project specific data was available in lieu of assumptions.			
Warren	70	3I0605	4/2000	Interchange lighting at Rtes. A and B.	\$100,000.00	\$96,143.55	-3.86%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			

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Warren	70	3I0628	9/2000	Interchange lighting at Rte. H.  Reason(s) Bid prices for signs, conduit, trenching, pole foundation and power assembly less than estimate. Constructed quantities for construction signs, poles, conduit, trenching and cable less than estimate. No seeding and mulch was required.	\$99,000.00	\$69,377.42	-29.92%
Warren	70	3I0629	9/2000	Interchange lighting at Rtes. F and J.  Reason(s) Bid prices for signs, conduit, trenching, pole foundation and power assembly less than estimate. Constructed quantities for construction signs, conduit and trenching less than estimate. No seeding and mulch required.	\$68,000.00	\$36,378.49	-46.50%
Montgomery	70	3I0642	8/2000	Install median guard cable and mill rumble strips in various locations from 0.1 mile east of Rte. 161 east to 1.5 miles west of Rte. F in Warren County. Funded from SFY 2000 General Headquarters Traffic safety funds.  Reason(s) Incidental costs less than estimate.	\$353,000.00	\$314,805.72	-10.82%

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Ralls	61	3P0062B	12/1995	Grading to add lanes for dual from 0.4 mile south of Rte. 19 to 1.9 miles south of Frankford.	\$14,025,000.00	\$13,652,607.58	-2.66%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Lewis	61	3P0270	4/1999	Grading, paving and bridge replacement 1.5 miles south of Clark County. The project involves bridge H-281R.	\$507,000.00	\$542,528.72	7.01%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Scotland	136	3P0274	7/1998	Grading, paving and replace bridges over North Fabius River from west of Rte. 15 west intersection east 0.9 mile. The project involves 1-24' pavement and bridges K-186 and K-283.	\$2,740,000.00	\$3,018,546.56	10.17%
			Reason(s)	Incidental costs higher than estimate. Bid prices for asphaltic concrete, mobilization, signals, traffic barrier and bridges higher than estimate. Furnishing and placing rock blanket was not in estimate.			

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Scotland	136	3P0275	7/1998	Grading, paving and replace bridge over South Wyaconda River 1.1 miles east of Rte. A east 0.8 mile. The project involves 1-24' pavement and bridge J-843.	\$1,498,000.00	\$1,780,635.88	18.87%
			Reason(s)	Incidental costs higher than estimate. Bid prices for asphaltic concrete, excavation, aggregate and bridge higher than estimate.			
Pike	61	3P0428	3/1998	Paving to add lanes for dual for the Bowling Green relocation. This project relates to 3P0428B and 3P0428C.	\$4,846,000.00	\$5,556,488.43	14.66%
			Reason(s)	Incidental costs higher than estimate. Constructed quantities for excavation, sub grade compaction, bituminous pavement, concrete pavement, striping, seeding and mulch greater than estimate. Signs constructed to current standard.			
Warren	47	3P0514	3/2000	Grading, paving and replace bridge over Katy Trail 0.5 mile south of Rte. O. The project involves bridge K-391.	\$529,000.00	\$543,443.12	2.73%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			

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Ralls	36	3P0579	4/1999	Resurface 1-24' pavement from 1.1 miles west of Rte. J to Rte. DD.	\$1,081,000.00	\$849,593.45	-21.41%
			Reason(s)	Incidental costs less than estimate. Bid prices for asphaltic concrete, pavement edge treatment and cold milling less than estimate.			
Ralls	61	3P0580	11/1999	Resurface existing 24' pavement from 0.5 mile south of Rte. 19 to 0.9 mile north of Rte. U.	\$1,987,000.00	\$2,823,290.09	42.09%
			Reason(s)	Bid prices for asphaltic concrete, linear grading, field labs and concrete repair higher than estimate. Constructed quantities for pavement repair, cold milling and channelizers greater than estimate. Final cost included Profilograph Bonus.			
Lincoln	47	3P0586	7/1999	Widen to 3 lanes and resurface to reduce congestion from 0.1 mile west of Rte. 61 west 0.7 mile.	\$371,000.00	\$412,233.56	11.11%
			Reason(s)	Bid prices for majority of items higher than estimate.			

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County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Lincoln	61	3P0594	7/1999	Replace temporary connections on north and southbound lanes 6.0 miles north of Troy. The project will repair deteriorating roadway surface and improve safety.  Reason(s) Bid prices for majority of items higher than estimate. Constructed quantities of excavation, pavement repair, asphaltic concrete, cold milling, seeding and mulch greater than estimate.	\$901,000.00	\$1,349,923.02	49.82%
Audrain	54	3P0601	4/2000	Interchange lighting at Rte. D.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$104,000.00	\$101,600.33	-2.31%
Lincoln	61	3P0603	11/1999	Replace temporary connections on north and southbound lanes 0.3 mile south of Pike County line.  Reason(s) Bid prices for majority of items higher than estimate. Constructed quantities of excavation, pavement repair, linear grading, and compaction greater than estimate. Test strip and special field labs not included in original estimate.	\$742,000.00	\$1,033,187.36	39.24%

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Montgomery	19	3P0609	5/2000	Grading and paving to build intersection and railroad crossing for industrial park 1.2 miles south of Rte. 161 (south junction). Montgomery City will fund 75% of all costs.  Reason(s) Incidental costs less than estimate. Bid prices for majority of items less than estimate. Constructed quantities of excavation, embankment, asphaltic concrete, cold milling, seeding and mulch less than estimate.	\$605,000.00	\$400,311.29	-33.83%
Audrain	15	3P0630	6/2000	Grading and paving to add center turn lane from 1.8 miles north of Rte. D south 1.3 miles. Advance funding by City of Mexico to contract in SFY 2000, with MODOT reimbursement in SFY 2004.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$1,108,000.00	\$1,112,217.83	0.38%
Lincoln	61	3P0636	7/2000	Grading and paving for right turn lanes on southbound and northbound Rte. 61 at intersection of Rtes. B and E.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$120,000.00	\$113,990.20	-5.01%

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Marion	61	3P0637	7/2000	Grading and paving for left turn lanes on northbound and southbound Rte. 61 at Rte. W intersection in Hannibal.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$123,000.00	\$117,654.55	-4.35%
Marion	61	3P0638	7/2000	Grading and paving for left turn lane on southbound Rte. 61 at Ross Street intersection in Palmyra.  Reason(s) Bid prices for mobilization, excavation, embankment, seeding and mulch higher than estimate. Constructed quantities of asphaltic concrete, base, signs and traffic control greater than estimate.	\$73,000.00	\$87,469.98	19.82%
Marion	61	3P0646	11/2000	Diamond grinding at Rte. 61 and 24 interchange south of Palmyra. To be let in combination with 3P0647.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$36,000.00	\$36,103.94	0.29%

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Marion	61	3P0647	11/2000	Diamond grinding at Rte. 61 and 24 interchange at Taylor. To be let in combination with 3P0646.	\$29,000.00	\$30,491.31	5.14%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Monroe	151	3S0476	7/1999	Grading, paving and replace bridge over Flat Creek 1.0 mile south of Rte. K. The project involves bridge P-325.	\$1,035,000.00	\$997,078.44	-3.66%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Marion	36	3U0269D	10/1997	Grading, paving and bridges in Hannibal from 0.8 mile east of Rte. 61 to Mississippi River. TEA 21 High Priority Project. Relates to 3U0269, 3U0269E, 3U0269G, 3U0269H and 3U0269I.	\$15,563,000.00	\$17,779,343.29	14.24%
			Reason(s)	Inc costs higher than est. Bid prices for signals & bridges higher than estimate. Constructed quan of exc, rock fill, pvmt, signals, steel piles & rock blanket greater than est. Bonus for accelerated completion of earthwork & paving.			

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Marion	36	3U0269E	1/2000	Signing from Rte. 61 to Mississippi River in Hannibal. Project relates to 3U0269, 3U0269D, 3U0269G, 3U0269H and 3U0269I.  Reason(s) Incidental costs less than estimate. Bid prices for majority of bid items less than estimate.	\$251,000.00	\$142,360.58	-43.28%
Marion	36	3U0269G	7/1997	Main span truss of the new Mississippi River Bridge in Hannibal. 50% of cost is Missouri's share. Project relates to 3U0269, 3U0269D, 3U0269E, 3U0269H and 3U0269I.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$8,864,000.00	\$8,198,635.06	-7.51%
Jackson	70	4I0922	10/1997	Grading, paving, bridge, signs and lighting for new interchange at Selsa Road. Project may involve MTIA.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$8,254,000.00	\$9,049,969.04	9.64%

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Clay	435	4I1247	12/1997	Resurface, replace and modify guard rail and extend culverts from I-35 to Missouri River Bridge. Construct with Project 4I1247B.	\$4,856,000.00	\$4,796,051.39	-1.23%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Jackson	435	4I1299C	6/1999	Grading, drainage, guardrail and guard cable from Rte. 24 south to Hickman Mills Drive (Grandview Triangle). Project will add guard cable to the median. Split from 4I1299.	\$1,757,000.00	\$2,573,847.33	46.49%
			Reason(s)	New type of work resulted in an increase in the original estimate. A provision to maintain the constructed cable was added after the project was awarded.			
Clay	29	4I1359	9/1999	Upgrade or add guardrail where needed from Armour Road to Platte/Clay County line. Southbound only from Armour Road to I-35 (remainder will be done under 4I1328).	\$319,000.00	\$884,182.48	177.17%
			Reason(s)	Requirements by Federal Highway Administration increased the amount of guard rail that needed to be upgraded that was not included in the programmed estimate.			

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Henry	7	4P0861B	12/1996	Grading, paving and resurface for new two lane roadway from 0.4 mile south of Rte. DD to 0.8 mile north of Rte. O. Add lanes for dual (Urich to Clinton) Project relates to 4P0861 and 4P0861C.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$5,877,000.00	\$6,209,129.45	5.65%
Henry	7	4P0861C	12/1996	Build four new bridges for a new two lane roadway from 0.4 mile south of Rte. DD to 0.8 mile north of Rte. O. Add lanes for dual (Urich to Clinton). Project relates to 4P0861 and 4P0861B.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$3,023,000.00	\$3,023,413.89	0.01%
Clay	169	4P0934B	6/1999	Grading for dual lane divided from 0.7 mile south of Rte. 92 to 0.8 mile north of I-435. Existing pavement to be used in place for southbound lane where possible.  Reason(s) Bids were lower for class A excavation, compacting embankment and asphaltic concrete. The lower bid caused the incidentals to be lower.	\$7,398,000.00	\$6,007,193.62	-18.80%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



## Program Estimates Compared to Costs of Projects Completed in SFY 2001

### RSMo.21.795.2.(6)

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Jackson	291	4P1353	4/2000	Remove island and stripe for dual left turn lanes, widen SB on ramp & extend right turn lane on NB off ramp at the Rte. 24 interchange. Project also includes signal interconnect at this location.  Reason(s) Initial estimate did not include all the required work needed to complete the project.	\$124,000.00	\$384,977.26	210.47%
Jackson	291	4P1358	6/1999	Remove cross-over, modify shoulder for acceleration lane and U-turn at Hidden Valley Road at 34th Terrace intersection and at Hidden Valley Road. Project on two disconnected sections.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$404,000.00	\$401,099.29	-0.72%
Jackson	71	4P1499	7/2000	Bridge deck repair and rock removal from I-435 southbound lane to Blue Ridge Boulevard. Involves bridge L-998R (northbound and southbound).  Reason(s) A location to dispose of the rock removed was provided to the contractor resulting in reduced construction cost.	\$679,000.00	\$602,462.50	-11.27%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.





**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Clay	210	4S0109	10/1997	Grading and bridge to build a new 3.7 mile 2 lane roadway from east of relocated Rte. EE to 1.5 miles east of Rte. JJ. Construct with 4S0110C.	\$10,256,000.00	\$8,707,038.83	-15.10%
			Reason(s)	Programmed estimate included preliminary earthwork quantities and upper end unit prices. As plans were finalized, quantities were reduced and unit prices were reduced.			
Clay	210	4S0110C	10/1997	Grading, rock fill base, and build a new bridge for a new 5.3 miles long 2 lane roadway from 1.5 miles east of Rte. JJ to 0.3 mile west of Fishing River. Construct with J4S0109.	\$6,033,000.00	\$3,137,616.78	-47.99%
			Reason(s)	Programmed estimate included preliminary earthwork quantities and upper end unit prices. As plans were finalized, quantities were reduced and unit prices were reduced.			
Clay	33	4S1110	2/2000	Replace bridge 2.1 miles north of Rte. 92 near Kearney. Project involves bridge H-661.	\$1,330,000.00	\$1,425,793.09	7.20%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Jackson	71	4U0011J	8/1997	Bridge substructures on Bruce R. Watkins Drive from north of Brush Creek Blvd. to south of Swope Parkway in Kansas City area. Project relates to 4U0011 thru 4U0011U. City of Kansas City providing \$1,500,000 for enhancements.  Reason(s) Prior to the letting, it was determined that the items for the stone cladding were best placed in the J4U0011K project resulting in a decrease in the cost of this project.	\$7,994,000.00	\$4,790,623.24	-40.07%
Jackson	71	4U0011K	8/1997	Bridge superstructures on Bruce R. Watkins Drive from north of Brush Creek Blvd. to south of Swope Parkway. Project relates to 4U0011 thru 4U0011U. City of Kansas City providing \$2,509,185 for enhancements.  Reason(s) Prior to the letting, it was determined that the items for the stone cladding included in the J4U0011J project were best placed in this project resulting in an increase in cost for this project.	\$11,831,000.00	\$18,033,547.47	52.43%
Jackson	40	4U0752	12/1998	Grading and paving for replacement of the westbound lane bridges over Little Blue River from 0.2 mile east of Rte. I-470 to 1.1 miles east of Rte. I-470 in Kansas City. Two disconnected sections and constructed with 4U0752B.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$1,544,000.00	\$1,542,920.70	-0.07%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Jackson	40	4U0752B	12/1998	Replace westbound lane bridges over Little Blue River from 0.2 mile east of Rte. I-470 to 1.1 miles east of Rte. I-470 in Kansas City. Project involves bridges G-363R1 and G-376R and will be constructed with Project 4U0752.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$590,000.00	\$645,319.24	9.38%
Jackson	150	4U1011	8/1998	Grading, drainage and partial paving from Kansas State line to Rte. D (Holmes Road) in Kansas City. Project relates to 4U1011C and 4U1011D.  Reason(s) More rock excavation required than estimated. Changes in water line and sewer line installation cause additional utility cost. Correction of a problem with a bridge constructed on a previous project increased the cost.	\$17,461,000.00	\$19,212,547.56	10.03%
Jackson	150	4U1011C	8/1998	Build eastbound and westbound bridges over Blue River from Kansas State line to Rte. D (Holmes Road) in Kansas City. TEA 21 High Priority Project. Project relates to 4U1011 and 4U1011D.  Reason(s) Bids were low because of the aggressive construction market at the time.	\$8,556,000.00	\$7,662,304.67	-10.45%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Clay	210	4U1114B	7/1999	Grading, paving and bridges for dual divided facility east of I-435 from Randolph Road to Eldon Road/Station Dr. in Kansas City area. Advance funding by 210 Hwy Trans Dev Dist. MODOT payback in 2006, 2007, 2008.	\$7,042,000.00	\$7,532,085.70	6.96%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Clay	291	4X1325	6/1999	New right turn lane, resurface the eastbound approach, update lighting, signing and striping at Rte. 152 intersection in Liberty. Project will improve safety.	\$195,000.00	\$256,967.54	31.78%
			Reason(s)	Preliminary engineering was higher than estimated because of redesign needed to accommodate local development. Bids were higher than estimated for 10 items in the contract.			
Cooper	70	5I0695	3/1999	Resurface pavement on westbound lane from Saline County to 0.2 mile east of Rte. K.	\$1,682,000.00	\$1,708,149.16	1.55%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			

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**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Boone	70	5I0699	2/1999	Resurface eastbound lane from 0.2 mile east of Cooper County line to 0.4 mile east of Rte. 740.	\$5,428,000.00	\$4,380,722.64	-19.29%
			Reason(s)	Over estimated the number of pavement repairs that would be necessary at time of contract. At time of contract only 90 actual locations required repair vs the 259 that had been estimated.			
Cooper	5	5P0257C	11/1999	Landscaping of cobblestone restoration area at Missouri River Bridge in Boonville. \$50,443 Enhancement Funds under Federal Project No. STP-1300(503).	\$119,000.00	\$209,211.58	75.81%
			Reason(s)	Scope change added a platform, platform covering and a retaining wall that was not included in original estimate.			
Cole	63	5P0344C	2/1998	Build new bridge over Osage River from west of Osage River to the junction of Rte. 50 and Rte. 63. Related projects are 5P0344 and 5P0344B.	\$5,874,000.00	\$6,025,148.60	2.57%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			

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**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Camden	54	5P0347C	3/1999	Build bridge for the Rte. Y interchange from Rte. Y to 1.3 miles west of Rte. KK. The project involves bridge A-5247. Project is related to 5P0347.	\$703,000.00	\$1,019,133.99	44.97%
			Reason(s)	Contractor did not encounter rock at the location shown on plans requiring redesign of the bridge bents resulting in overruns in bridge piling, fill material, concrete etc.			
Camden	54	5P0347F	3/1999	Grading and drainage from Rte. Y to 1.3 miles west of Rte. KK. Project is related to 5P0347.	\$5,201,000.00	\$3,771,497.86	-27.49%
			Reason(s)	Plans were designed and estimated requiring contractor to move approx. 930,000 cu yd of fill across Rte 54 under traffic. Contractor developed a bypass that allowed the movement of this material unimpeded by traffic which reduced the cost of the contract			
Camden	54	5P0509	4/1999	Grading, paving and bridge replacement from 1.7 miles east of Rte. AA to 2.3 miles west of Rte. 5. Project involves bridge J-296R.	\$8,764,000.00	\$10,556,327.15	20.45%
			Reason(s)	Bridge costs, mobilization, Class A excavation, and Class C excavation costs exceeded estimate.			

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**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Camden	5	5P0589B	7/1999	Build substructure to replace bridge over Niangua River 1.2 miles south of Rte. 7. Project involves bridge A-5998.  Reason(s) Cost savings experienced due to contractor already working in area saved huge mobilization cost on this project.	\$9,720,000.00	\$6,483,038.96	-33.30%
Cole	63	5P0771	6/2000	Grading and paving to add right turn lane on Cityview Drive at intersection with Rte. 63/50. City of Jefferson designing and funding 80% of cost with city's STP funds.  Reason(s) Due to small size of project and small quantities, overall bids from contractors were generally higher than usual. Mobilization costs were not included in estimated costs of the project.	\$73,000.00	\$108,526.98	48.67%
Pettis	Y	5S0760	7/2000	Grading and paving to realign Clarendon Road to intersect with Rte. Y and Thompson Blvd. at Clarendon Road and Rte. Y in Sedalia. \$50,000 funding from General Revenue, Capital Improvements.  Reason(s) Scope changed during final design due to r/w restrictions requiring curb and gutter and other drainage changes that drove costs up over those that had been estimated.	\$536,000.00	\$777,050.88	44.97%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Louis	44	6I0617D	11/1997	Grading, drainage, paving, bridge widening and bridge rehabilitation from west of Meramec River to east of Rte. 61-67 in the I-270 interchange area. Project involves bridges L-623R1, A-2463 and A1715R1.  Reason(s) Increase is due to the resurfacing from Rte. 67 to Meramac River and the pavement repair was added to the project.	\$12,161,000.00	\$17,493,621.99	43.85%
St Louis	270	6I0617Q	11/1999	Sound wall no. 4 east of Rte. 21. Sound abatement due to widening of I-270.  Reason(s) The increase is due to the sound walls were extended approximately 750 feet over the bid quantity to provide proper sound protection.	\$333,000.00	\$531,670.72	59.66%
St Louis	270	6I0617R	11/1999	Sound wall no. 5 from east of Rte. 21 to east of Theiss Road. Sound abatement due to widening of I-270.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$961,000.00	\$929,547.97	-3.27%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.





**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Louis	270	6I0617S	11/1999	Sound wall no. 9 west of Theiss Road. Sound abatement due to widening of I-270.	\$822,000.00	\$678,663.19	-17.44%
			Reason(s)	The decrease is due to the bids being lower than expected.			
St Louis	270	6I0651C	3/1998	New westbound Rte. 100 bridge over I-270 north of Rte. 100 (Manchester Road). Project relates to 6I0651B and 651D. Right of way for this project included in 6I0651B.	\$11,604,000.00	\$10,257,261.68	-11.61%
			Reason(s)	The decrease is due to the bridge costs and roadway costs to complete the project were lower than estimated.			
St Louis	44	6I0729B	2/1999	Grading, paving and signals at Allenton Road - Six Flags interchange.	\$2,559,000.00	\$4,202,867.79	64.24%
			Reason(s)	The increase is due to retaining wall costs being omitted from the original estimate, the sanity sewer costs were higher and the r/w cost were higher due to condemnation.			

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**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Louis	64	6I1200	4/1999	Resurface pavement, strip bridge decks, repair and resurface bridges from west of Spoede Road to east of Kingshighway. Involves bridges A-1480, K-911, K-912, L-795, L-793 and L-835R2.	\$3,691,000.00	\$5,299,774.86	43.59%
			Reason(s)	The increase is due to the change to superpave.			
St Louis City	64	6I1250	3/1999	Joint rehabilitation and drainage modifications from west of Vandeventer to east of Grand. Project involves bridge A-3594.	\$1,469,000.00	\$1,841,294.49	25.34%
			Reason(s)	The increase is due to the addition of temporary traffic barrier for safety.			
Franklin	44	6I1281	5/1999	Replace existing westbound bridge over the east on ramp and rehabilitate eastbound bridge deck at Rte. 50 interchange. Project involves bridges L-930R and L-931R.	\$1,673,000.00	\$2,300,068.89	37.48%
			Reason(s)	The increase is due to the increase price on structural steel and the amount of design time was underestimated.			

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**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Charles	70	6I1287	12/1998	Build new overpass at Woodlawn Avenue 0.2 mile west of Rte. M. Part funded by City of O'Fallon.	\$4,128,000.00	\$1,873,299.74	-54.62%
			Reason(s)	The decrease is due to the original estimate included grading, paving, drainage, signals and bridge. The project was split into 2 project - 6I1287 and 6I1287B.			
St Louis	270	6I1299	6/1999	Resurfacing and associated improvements from Rte. I-64 to Rte. I-70.	\$7,331,000.00	\$6,316,386.35	-13.84%
			Reason(s)	The decrease is due to the preliminary engineering being estimated higher than what was actually needed.			
St Charles	70	6I1306	7/2000	Resurfacing on I-70 south outer road from west of Lake St. Louis Blvd. to east of old Rte. 40.	\$674,000.00	\$564,615.39	-16.23%
			Reason(s)	The decrease is due to the change from superpave to a standard asphalt and less design time was required.			

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**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Charles	70	6I1307	7/2000	Resurfacing on I-70 south outer road from east of Salt Lick to Rte. C.	\$131,000.00	\$113,274.70	-13.53%
			Reason(s)	The decrease is due to the change from superpave to a standard asphalt and less design time was required.			
St Charles	70	6I1308	7/2000	Resurfacing on I-70 north outer road from Rte. 370 to east of Zumbuhl Road.	\$734,000.00	\$425,001.59	-42.10%
			Reason(s)	The decrease is due to the change from superpave to a standard asphalt and less design time was required.			
St Charles	70	6I1309	7/2000	Resurfacing on I-70 north outer road from west of Lake St. Louis Blvd. to east of old Rte. 40.	\$122,000.00	\$99,250.19	-18.65%
			Reason(s)	The decrease is due to the change from superpave to a standard asphalt and less design time was required.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.





**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Charles	70	6I1310	7/2000	Resurfacing on I-70 north outer road from Warren County line to Wentzville.	\$450,000.00	\$411,986.99	-8.45%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
St Louis City	55	6I1334	5/1999	Rehabilitate viaduct bridge structures south of Poplar Street Bridge complex. Project involves bridges L-361R, A-3162 and A-3351.	\$3,285,000.00	\$1,944,989.07	-40.79%
			Reason(s)	The decrease is due to the traffic control plan changed from 4 to 3 lanes, bridge est. elevated based on past rehab work. Bids were very reasonable, joints estimated as more expensive finger joints but were able to use less expensive strip seal joints			
St Louis	44	6I1417	8/1999	Sound wall from Geyer Road to Rte. 61-67.	\$726,000.00	\$652,662.04	-10.10%
			Reason(s)	The decrease is due to the lower costs on the sound wall panels and mobilization.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Francois	32	6P0669B	4/1999	Grading, lighting, signing, 2-24' (part) and 1-24' (part) paving and remove bridge Y-742 from Rte. B to Flat River Drive.	\$4,049,000.00	\$3,738,433.74	-7.67%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Jefferson	21	6P0876B	9/1998	Grading and drainage from Schenk Road to 1.1 miles south of Schenk Road.	\$6,979,000.00	\$4,942,375.12	-29.18%
			Reason(s)	The decrease is due to the value engineering changes in the back slope and RCB at Lake Lorraine area and not as much earth was moved. Therefore, less design time was required.			
St Louis	64	6P1260	4/1999	Extend southbound Rte. 67 auxiliary lane onto westbound I-64 at Rte. 61/67 (Lindbergh Boulevard).	\$209,000.00	\$380,748.07	82.18%
			Reason(s)	The increase is due to the change to superpave.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Charles	40	6P1265	9/1998	Overpass at Missouri Research Park east of Rte. 94. Project is part funded by others.  Reason(s) The decrease is due to the original estimate included the entire interchange (overpass and ramps). The 6P1265 construction was only the overpass and the bridge was shortened.	\$5,374,000.00	\$3,324,484.10	-38.14%
St Louis	141	6P1290	9/2000	Grading and paving to add north turn lane northbound to eastbound at Rte. AB (Ladue Road).  Reason(s) The increase is due to the amount of design time and right of way were underestimated.	\$109,000.00	\$145,681.28	33.65%
Jefferson	61	6P1372	3/1999	Reconstruct intersection, signals, lighting, signing and retaining wall at the Rte. 61-67 (Jeffco Blvd.) and Rte. 141 intersection. The project relates to 6I0626C. Involves wall A-5734.  Reason(s) The increase is due to the changes in the type of signal display, upgrade of signals and the change to superpave.	\$684,000.00	\$1,051,935.92	53.79%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Jefferson	67	6P1452	7/2000	Pavement repair and replacement of failed bonded overlay segments from 0.3 mile south of Rte. 110 to St. Francois County line. Project funded from 6R0100C.  Reason(s) The decrease is due to the pavement repair and marking paint were overestimated in the original estimate. Also, the cost to design the project was overestimated.	\$485,000.00	\$361,016.74	-25.56%
Jefferson	M	6S0704D	12/1997	Complete interchanges and pave Rte. M for relocation from new Rte. 21 to east of old Rte. 21. The project involves bridges A-5529 and A-5530. Relates to 6S0704, 6S0704E, 6S0704H, 6S0704I and 6S0704J.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$5,870,000.00	\$5,824,346.19	-0.78%
Jefferson	T	6S0773	3/2000	Grading, paving and replace low water crossings with bridges at Platin Creek and Dry Fork Creek 2.0 miles west of Rte. DD (two disconnected sections).  Reason(s) The increase can be attributed to change of bridge type in final design, thereby increasing the costs, and special mitigation requirements in order to get the environmental permit.	\$1,128,000.00	\$1,380,825.93	22.41%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.





**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Jefferson	Y	6S0903	9/1999	Grading, paving and replace bridge over Big River 2.0 miles northwest of Rte. C. Project involves bridge N-57.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$3,421,000.00	\$3,315,341.91	-3.09%
St Charles	94	6S1024	9/1999	Grading, paving and replace bridge over Little Femme Osage Creek 1.0 mile east of Rte. DD. Project involves bridge T-390.  Reason(s) The increase is due to added bridge span due to the curve in the creek, use of superpave, use of cameras instead of conventional detection, the need for gabion walls and on-site woodland mitigation due to the environmental permit.	\$1,134,000.00	\$1,592,754.56	40.45%
Franklin	FF	6S1311	6/2000	Remove and replace pipe culverts from Rte. 30 to Rte. 47.  Reason(s) The increase is due to the original scope was to replace approximately 1/2 of the pipes. Upon inspection, all 40 pipes were found to be deteriorated and were replaced. Therefore, also increasing the amount of design time required.	\$270,000.00	\$441,587.09	63.55%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Louis	270	6S1316	4/2000	Microsurfacing from Rte. I-70 to east of Rte. 67 (Lindbergh Boulevard). 6S1316B and 6S1316C split from this project.  Reason(s) The decrease is due to a portion of this work being split out into another project and let separately (6S1316B).	\$1,867,000.00	\$851,151.62	-54.41%
St Louis	67	6S1316B	4/2000	Microsurfacing from Old St. Charles Rock Road south to Rte. 100 (Manchester Road). Split from 6S1316.  Reason(s) The project was split and additional work was transferred resulting in a major scope reduction.	\$938,000.00	\$729,824.70	-22.19%
Jefferson	21	6S1351B	5/2000	Add northbound left turn lane from Hillsboro/House Springs Road to Rte. A. Project split from 6S1351.  Reason(s) The decrease is due to the change in superpave to bituminous pavement 1 and the job was overestimated as to the limits.	\$436,000.00	\$244,123.56	-44.01%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Louis	231	6S1423	3/2000	Replace 12 controllers and cabinets with fiber optic closed loop system, conduit and detectors from Sappington Barracks Road south to Erb Road. \$400,000 CMAQ funds.	\$593,000.00	\$723,077.27	21.94%
			Reason(s)	The increase is due to the fiber optic costs ran higher than originally estimated. This was D6's first fiber optic project.			
St Louis	366	6S1425	1/2000	Improve northbound dual left radius and island, signal and detector modifications on northbound Rte. 366 at Laclede Station Road. \$80,000 CMAQ funds.	\$118,000.00	\$50,869.39	-56.89%
			Reason(s)	The decrease is due to the construction did not require the complexity originally anticipated and the superpave was changed to bituminous pavement 1.			
St Louis	30	6S1438	6/2000	Grading and paving to construct turn lanes and traffic signals at Maurer Industrial Drive/Rahning Road intersection in Sunset Hills.	\$1,274,000.00	\$1,067,274.75	-16.23%
			Reason(s)	The decrease is due to numerous small value enhancements incorporated in the final design and construction. These include less expensive asphalt, easier to construct concrete work and easier pipe installation procedure.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Jefferson	30	6S1439	4/2000	Microsurfacing from Franklin County line to beginning of four lane near Dittmer. Project funded from 6R0000 (State Fiscal Year 2000 spot safety improvements).	\$226,000.00	\$161,611.47	-28.49%
			Reason(s)	The decrease is due to less traffic control items were required (no TMAs arrow boards and channelizers) than originally estimated due to work being performed on a 2-lane roadway. Therefore, not as much design time was needed.			
St Louis	44	6S1454	7/2000	Construct right turn lane on southbound Allenton Road at I-44 Business Loop and Allenton Road intersection. Project funded from 6R0100C.	\$87,000.00	\$85,431.27	-1.80%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Jefferson	30	6S1459	11/2000	Install single strand guard cable along westbound lane and fencing along right of way line at Biltmore west of Rte. 141 and west of Northwest Blvd. at Biltmore Road (2 disconnected sections). Project funded from 6R0100C.	\$20,000.00	\$21,256.20	6.28%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.





**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Louis	340	6U0792	2/1999	Grading, widen to 5 lanes and resurface from Ladue Road to River Valley Drive in St. Louis area.	\$10,800,000.00	\$12,709,810.72	17.68%
			Reason(s)	The increase is due to the typical section was changed after letting to add bike lanes and landscaped medians.			
St Charles	364	6U0803D	9/1998	Grading, drainage and bridges from Upper Bottom Road to Missouri River in St. Louis area. Project relates to 6U0803C, G, I and U.	\$6,452,000.00	\$2,910,661.26	-54.89%
			Reason(s)	The decrease is due to the bridges were removed from the project. This project was grading only.			
St Louis	364	6U0803Q	2/1999	Grading, retaining walls and bridges for Page Avenue extension at Seven Pines Drive and Amiot Drive in St. Louis area. Project involves bridges A-5744 and A-5745.	\$3,268,000.00	\$4,515,072.38	38.16%
			Reason(s)	The increase was due to the pedestrian bridge was added, clearing and grubbing was added for utility, sanitary force main was higher than estimated.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Franklin	47	6U0836	5/1998	Grading, paving, retaining walls, resurfacing and signals from the Missouri River south to 0.5 mile south of Rte. 100 in Washington. The project involves widening to 5 lanes and extending culverts A-536 and A-616.  Reason(s) The increase is due to the additional soil stabilization, box culvert bottom slab added, additional asphalt for side street tie ins and 3 additional sets of traffic signals added.	\$7,029,000.00	\$8,290,732.50	17.95%
St Louis	231	6U1066	4/1998	Grading, paving and signals to widen to 5 lanes from Christopher Road to 0.5 mile north of Fine Road in St. Louis area. Project relates to 6U1066B and 6U1066C.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$6,354,000.00	\$6,598,139.39	3.84%
Jefferson	A	6U1072	6/1999	Grading, paving, replace bridge, signing and signals to provide 5 lanes from Collins Avenue to east of Rte. I-55 at Festus. Project involves bridge A-798R.  Reason(s) The decrease is due to the change from superpave to bituminous pavement 1.	\$7,895,000.00	\$7,036,866.86	-10.87%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Louis	Var	6X1340B	6/1999	Skid resistant overlays on various routes in District 6. Project relates to 6X1340, 6X1340C and 6X1340D.	\$386,000.00	\$349,254.92	-9.52%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
St Charles	70	6X1340C	11/1998	Install median guard cable, guardrail and I-strand cable west of Pierce Blvd., east of 5th Street and at Foristell weigh station. Project relates to 6X1340, 6X1340B and 6X1340D.	\$44,000.00	\$181,827.14	313.24%
			Reason(s)	The increase is due to significantly more guardrail and median guard cable installed to address additional accident locations. Attachment of cable to guardrail required special modified design to meet current crashworthy standards.			
St Louis	21	6X1340D	6/2000	Add advance flashers and replace one signal at Lutheran South High School and St. Dominic School. Project relates to 6X1340, 6X1340B and 6X1340C.	\$88,000.00	\$119,886.64	36.23%
			Reason(s)	The increase is due to higher cost for additional pullboxes and conduit.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Louis	141	6X1341F	4/2000	Improve turning radius 0.25 mile south of Rte. 340 at intersection of Broadmoor Drive. Split from 6X1341.	\$23,000.00	\$46,933.43	104.06%
			Reason(s)	The increase is due to substantially more storm drainage work was required to properly handle the rainfall runoff than anticipated at programming.			
Jefferson	21	6X1342C	5/2000	Add left turn lane at Rte. Y. Split from 6X1342.	\$177,000.00	\$189,726.10	7.19%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
St Louis City	44	6X1350C	6/2000	Remove part of median on Vandeventer and restripe pavement and shoulder on the I-44 eastbound off-ramp and eastbound on-ramp at Vandeventer. Split from 6X1350.	\$15,000.00	\$74,974.36	399.83%
			Reason(s)	The increase is due to the project originally included only the eastbound off-ramp. It was brought to our attention that there were safety problems with the eastbound on-ramp also, so it was added. This increased the design costs.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.





**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
St Louis	67	6X1350F	1/2000	Replace pavement, base and subgrade (approximately 250' long) in the southbound lanes north of Burlington Northern Railroad bridge. Split from 6X1350.	\$154,000.00	\$93,739.65	-39.13%
			Reason(s)	The decrease is due to traffic control was modified and temporary bypass was removed. Therefore, less design time was required.			
Franklin	Var	6X1350G	2/2000	Pave two commuter parking lots at intersections of Rte. 50/Rte. AH and Rte. 100/Bus. Loop 44. Project will provide paved surface for commuter parking lots where existing surface is gravel and dirt.	\$66,000.00	\$80,648.32	22.19%
			Reason(s)	The increase was due to thicker asphalt design was used for longer lasting commuter parking lot pavement than anticipated when programmed.			
Newton	71	7P0491B	2/1998	Grading and bridges for 4-lane relocation from Rte. 60 to existing Rte. 71 south of Goodman. The project involves bridges A-5557 and A-5559. Relates to 7P0491C and 7P0491.	\$15,346,000.00	\$12,425,179.83	-19.03%
			Reason(s)	Combined letting with 7P0491C resulted in lower bids due to a greater volume of work.			

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**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Newton	60	7P0686	4/2000	Grading to improve sight distance at the intersection of Rte. 60 and Rte. 86 at Neosho.	\$101,000.00	\$107,194.16	6.13%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			
Barton	160	7P0687	4/2000	Signals, lighting and geometric revisions at intersection of Rte. 160 and Rte. 71 east outer road in Lamar Heights.	\$223,000.00	\$303,605.18	36.15%
			Reason(s)	This is a relatively small spot-improvement project, and these often result in higher bids. Low quantities caused high bids on the asphalt and earthwork items.			
Barton	160	7P0702	4/2000	Improve radii on south approach and relocate signal at Gulf Street in Lamar. Right of way purchased by City of Lamar.	\$113,000.00	\$150,196.81	32.92%
			Reason(s)	This is a relatively small spot-improvement project, and these often result in higher bids. Low quantities caused several roadway items (removal of improvements, mobilization, Class 3, paved approaches, culverts) to be bid high.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Newton	86	7S0321	12/1998	Widen to 5 lanes and resurface from Rte. 71 relocation to south junction Rte. 71 and Rte. 86 (Harmony Street) . The project relates to 7S0321B.  Reason(s) Conditions required changes in pavement type (from asphalt to concrete) and width. Also, contractor-furnished borrow was needed due to unsuitable material for an embankment.	\$4,440,000.00	\$5,509,809.44	24.09%
Jasper	71	7S0695	4/2000	Grading, widen, resurface and signals at Missouri and Northern Arkansas RR crossing near Turkey Creek Blvd. in Joplin. Funded with FHWA STP Safety Funds (RRP-000S(140)) and Mo. Dept. of Econ. Devel. Motor Carrier and Rail  Reason(s) This is a relatively small spot-improvement project, and these often result in higher bids. Asphalt and earthwork items appear to have been bid high due to either low quantities or heavy traffic conditions on Range Line Road in Joplin.	\$260,000.00	\$588,184.58	126.22%
Jasper	43	7S0696	4/2000	Install traffic signals at Elk Road in Joplin. Funded with FHWA STP Safety Funds under Proj. RRP-000S(157) and Missouri Department of Economic Development.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$129,000.00	\$117,543.67	-8.88%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Jasper	FF	7S0698	5/2000	Construct sidewalks on each side of Rte. FF from Rte. 43 (Main Street) to Business Rte. 71 (Range Line Road) in Joplin. \$428,796 available from Project STP-3200(702) for contract cost. 20% district match.  Reason(s) First sidewalk-only project developed in District 7, so there was little historical data on which to base the estimate.	\$636,000.00	\$520,774.64	-18.12%
Jasper	249	7U0436C	11/1998	Grading, paving and bridges for 4-lane relocation from 20th Street to I-44 in Joplin. Project involves 2-24' pavements. Relates to 7U0436B, 7U0436D and 7U0436.  Reason(s) Changes in earthwork quantities were needed to provide adequate spill fills; sign and sign-truss changes were required; and piling locations needed to be re-bored due to rock being closer to the surface than anticipated.	\$3,673,000.00	\$5,033,016.13	37.03%
Jasper	249	7U0436D	11/1998	Grading, paving and bridges for 2-lane relocation from Rte. 66 to 20th Street in Joplin. Relates to 7U0436B, 7U0436C and 7U0436. Transition MTIA.  Reason(s) Right-of-way costs were greater than anticipated, and additional fill was needed to provide adequate slopes and an additional embankment.	\$3,546,000.00	\$4,473,725.61	26.16%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.





**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Webster	44	8I0655	3/2000	Coldmill and resurface westbound lane from Bowen Creek to Laclede County. Project also includes coldmill and resurface of truck parking and on/off ramps at two rest areas.  Reason(s) Used statewide guidelines to estimate preliminary engineering and construction engineering. Actual incidental costs ran lower than statewide average.	\$1,873,000.00	\$1,680,543.54	-10.28%
Laclede	44	8I0671B	11/1999	Replace 500' of pavement on 2' rock base under railroad crossing 0.5 mile east of Phillipsburg.  Reason(s) First bid was rejected. Second contract had an incentive/disincentive clause in the contract to reduce the time lanes were restricted on I-44 adding \$350,000 to the contract. Additional cost was due to tight working conditions and difficult excavation.	\$883,000.00	\$1,520,217.37	72.17%
Greene	65	8P0406	3/1999	Grading, paving and bridges to provide 4 lanes from 0.7 mile north of Rte. 125 to 0.7 mile south of Rte. 125. The project involves building an interchange at Rtes. CC/125.  Reason(s) Price bid for concrete pavement was lower than estimated.	\$7,927,000.00	\$6,888,927.50	-13.10%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Taney	65	8P0454C	11/1997	Grading and bridges for northbound lanes and grading and paving for portion of outer roadways from Christian Co. to 0.8 mile north of Rte. 160. Related projects are 8P0454, 8P0454B and 8P0454D.  Reason(s) Outer roads were re-designed, which reduced the excavation quantities.	\$11,064,000.00	\$8,202,189.39	-25.87%
Wright	60	8P0634	8/1998	Resurface the eastbound lane from Webster County line to 2.0 miles west of Rte. K.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$7,796,000.00	\$8,244,517.93	5.75%
Wright	5	8P0678	7/2000	Repair & rehabilitate bridge J-755 1.0 mile S/O Rte. V over Lick Fork of Gasconade River. Includes replacing deck overhang, replacing existing rail with thrie beam rail, deck repair, seal coat,  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$386,000.00	\$415,432.16	7.62%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Pulaski	133	8S0389	2/1999	Grading, paving and replace bridge over Gasconade River from 1.0 mile north to 1.0 mile south of Gasconade River south of Richland. The project involves bridge T-474.	\$7,399,000.00	\$6,066,632.51	-18.01%
			Reason(s)	The amount of rock excavation was less than originally estimated.			
Polk	123	8S0551	6/1999	Grading, paving and replace bridge over Bear Creek 1.4 miles south of Rte. 32. The project involves bridge L-199.	\$853,000.00	\$1,119,234.67	31.21%
			Reason(s)	The bridge was \$98,000 higher than estimated. Other quantities were also bid higher than anticipated. The higher bids may have been due to the bridge being located in a remote area and building it one half at a time.			
Phelps	72	8U0411	5/1997	Widen highway to five lanes, resurface and traffic signals in Rolla from Rte. 63 to east of Rte. O.	\$6,081,000.00	\$7,382,402.05	21.40%
			Reason(s)	Signals were added at the intersection of Rte. 72 and Salem Avenue to improve traffic flow to Mark Twain Elementary School.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Greene	160	8U0509	2/1999	Grading and paving for 4 lane relocation from Sunshine to James River Freeway (Rte. 60). Advance funding by Springfield Transportation Corp. to contract in 1999.	\$5,182,000.00	\$2,206,759.35	-57.41%
			Reason(s)	We estimated \$1,994,000 for R/W and \$3,671,000 for construction. Bonding Co. paid contractor directly which doesn't reflect in "Cost to Complete" figures. Actual cost of const was \$4,508,998.13. Using actual costs, the project is within +/- 10 %.			
Phelps	44	9I0466	11/1998	Widen Rte. 68 and the bridge over I-44, traffic signals and lighting at the Rte. 68 interchange in St. James. The project involves bridge A-602. Related to 9I0466B.	\$2,632,000.00	\$3,090,318.89	17.41%
			Reason(s)	Original estimate did not take into account the full extent of bridge repair needed on the project. During the construction process, it was determined that 90% of the bridge deck had to be replaced.			
Pulaski	44	9I0481	5/1999	Construct Rte. Y off ramp and signalize ramp intersection at Rte. Y and Missouri Avenue in St. Robert. Relates to 9I0481B. Will be let in combination with 9I0481B.	\$600,000.00	\$1,511,108.12	151.85%
			Reason(s)	A deceleration lane was lengthened to better accommodate interstate traffic exiting to the interchange. Additional site grading was provided at the interchange to improve sight distance and aesthetics.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.





## Program Estimates Compared to Costs of Projects Completed in SFY 2001

### RSMo.21.795.2.(6)

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Pulaski	44	9I0481B	5/1999	Relocate business loop and north outer road and signalize outer road and business loop intersections at Missouri Avenue in St. Robert. Part funded by City of St. Robert, with MODOT payback in March 2000.	\$1,039,000.00	\$2,444,851.56	135.31%
			Reason(s)	Some sections of new roadway were lengthened to better tie into the existing roadway. Construction costs rose due to minimizing impacts to the movement of traffic. Intersection design was made larger to provide better traffic movements.			
Carter	60	9P0282C	7/1999	Grading and drainage for 4 lane highway from 4.6 miles west of Rte. 21 South to 1.1 miles east of Rte. 21 South. TEA 21 High Priority Project. The project is related to 9P0282, 9P0282B, 9P0282D and 9P0282E.	\$5,298,000.00	\$5,970,268.29	12.69%
			Reason(s)	Utility relocations costs were higher than estimated due to providing proper clear zone where the existing roadway was used. The temporary erosion control was greater than normal because of the steep grades throughout the project.			
Howell	63	9P0365	6/1999	Pave new northbound lane and rehabilitate and resurface southbound lane from south of Rte. 60 east junction to Rte. N at Pomona. TEA 21 High Priority Project. The project is related to 9P0365B, 9P0365C and 9P0365D.	\$10,493,000.00	\$9,877,611.44	-5.86%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			

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**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Howell	63	9P0365C	6/1998	Grading to add lanes for dual divided highway and paving part of the southbound lane from south of Rte. 60 east junction to Rte. N at Pomona. The project is related to 9P0365, 9P0365B and 9P0365D.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$6,220,000.00	\$5,700,101.78	-8.36%
Phelps	72	9P0377B	12/1997	Paving new lane from Elk Prairie to south of Rte. FF. The project is related to 9P0377D.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$5,706,000.00	\$5,993,922.46	5.05%
Ripley	21	9P0428	2/2000	Grading, paving and replace bridge over Little Black River 0.7 mile south of Rte. NN. Project involves bridge H-884.  Reason(s) Project cost to complete was within +/- 10% of estimate.	\$2,299,000.00	\$2,243,707.64	-2.41%

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Crawford	19	9P0470	2/1999	Widen Rte. 19 and the bridge over Interstate 44 and improve traffic signals and ramps in Cuba at the I-44 interchange. The project involves bridge A-1191R.	\$3,863,000.00	\$4,398,069.96	13.85%
			Reason(s)	The project was extended to the north on Route 19 beyond the original scope to improve access to local development.			
Pulaski	7	9P0489	7/2000	Realign curve at the corner of Pine and Jefferson Streets in Richland. Funded from the district operations budget.	\$69,000.00	\$110,460.66	60.09%
			Reason(s)	The preliminary engineering and construction engineering was left out of the original estimate. A sanitary sewer relocation had not been included in the original project scope.			
Howell	JJ	9S0272	4/2000	Grading, paving and replace bridges on 2 disconnected sections 6.7 and 8.0 miles south of Rte. 160. Project involves bridge P-797, box culvert P-926 and low water crossing R-813.	\$2,758,000.00	\$2,693,699.40	-2.33%
			Reason(s)	Project cost to complete was within +/- 10% of estimate.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.



**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Douglas	76	9S0290	3/2000	Resurface 1-20' pavement, shape shoulders, replace bridge rail, slope widening and add guardrail from Rte. 181 west junction to Rte. 181 east junction. Forest Highway No. 32. 100% Forest Highway Funds.	\$533,000.00	\$465,816.01	-12.60%
			Reason(s)	The under runs are on PE and CE. Averages were used to compute these estimates. On the project, the actual costs ran less than the average.			
Iron	v	9S0478	7/2000	Bridge replacement 0.2 mile east of Rte. 21. Project involves bridge F-992.	\$310,000.00	\$465,496.40	50.16%
			Reason(s)	The pavement type was changed from asphalt to concrete. A much larger-than-existing reinforced concrete box culvert was designed and constructed.			
Howell	76	9S0486	6/2000	Realign intersection of County Road 5250 and Rte. 76 to improve sight distance 0.5 mile west of Rte. Z. Funded with district operations funds.	\$110,000.00	\$257,595.64	134.18%
			Reason(s)	The scope was changed to provide additional roadway improvements for Route 76 at a county road intersection.			

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.





**Program Estimates Compared to Costs of Projects Completed in SFY 2001**  
**RSMo.21.795.2.(6)**

County	Rte.	Job Number	Award Date	Description/ Locations Reasons	Estimate	Cost to Complete	Percentage Difference
Camden	5	5P0589E	2/2001	Demolition of buildings, foundations and capping of well 1.2 miles south of Rte. 7.	\$18,000.00	\$20,275.17	12.64%
			Reason(s)	The estimate to remove the building was more than the original estimate.			
Grand Total					\$539,638,000.00	\$532,004,178.95	

Note: Estimates include actual right of way spent for jobs without programmed right of way. Dollars are in Thousands. If a project is split in the year it is awarded, the base amount is split proportionally.

